

FIG. 1

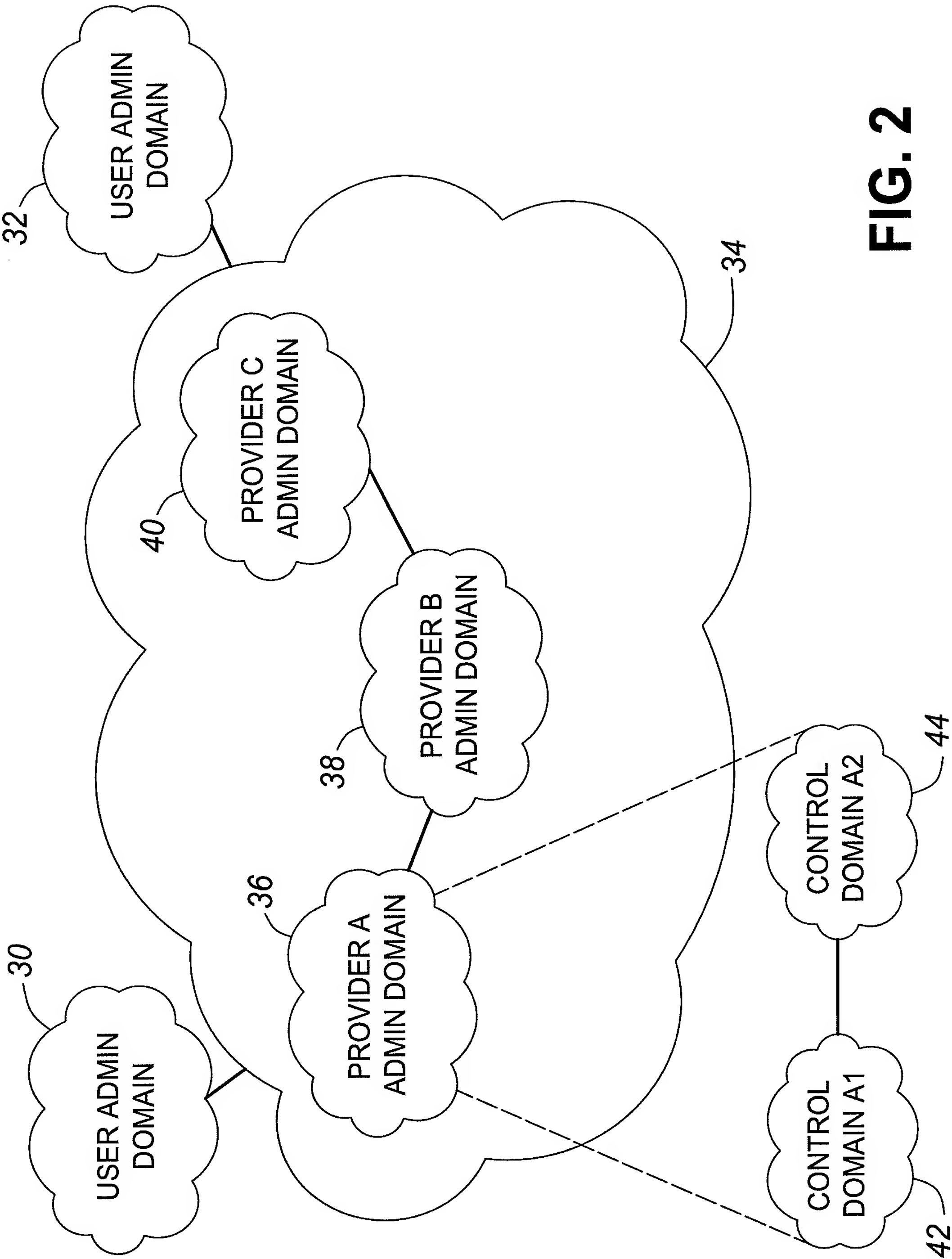


FIG. 2

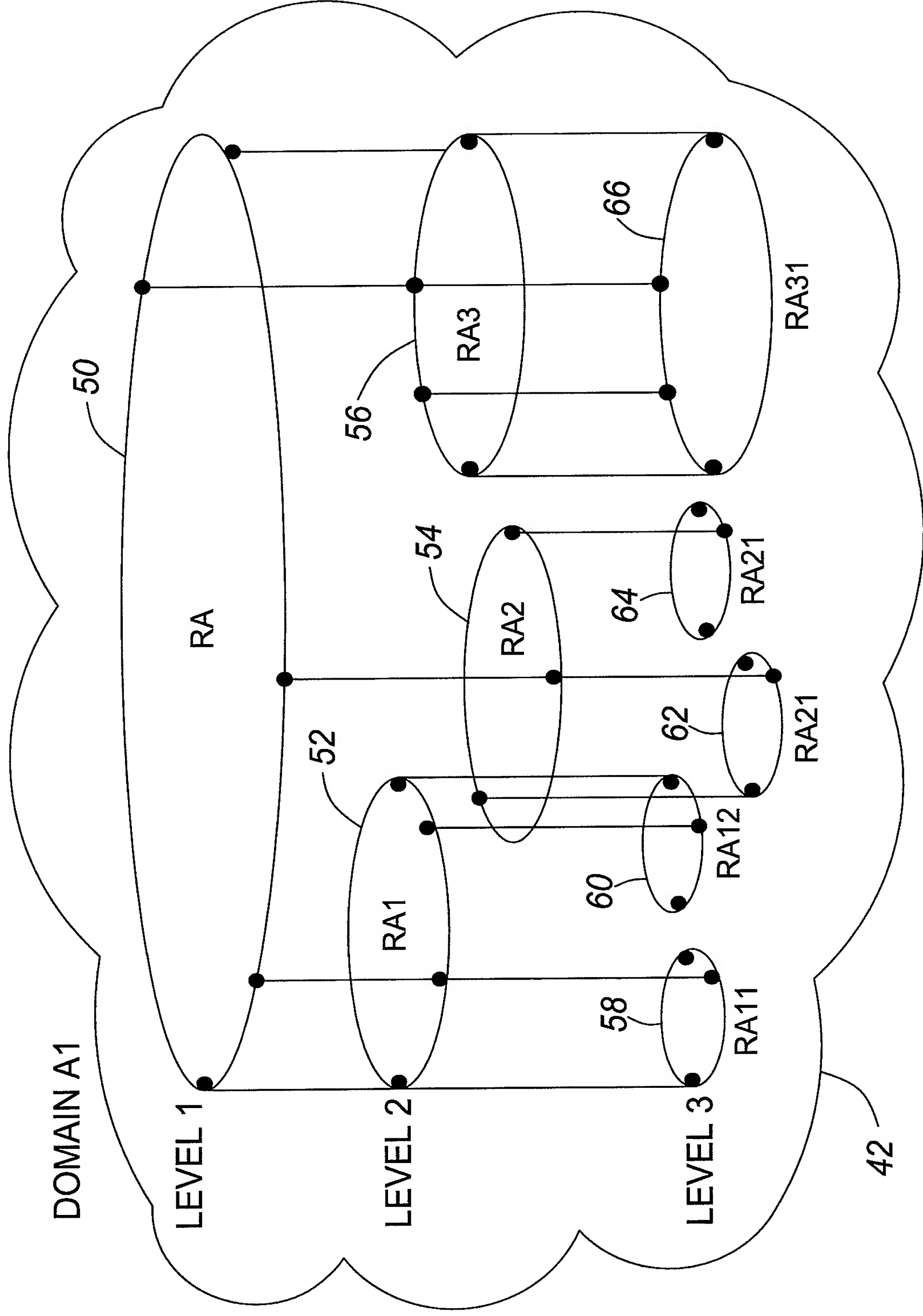
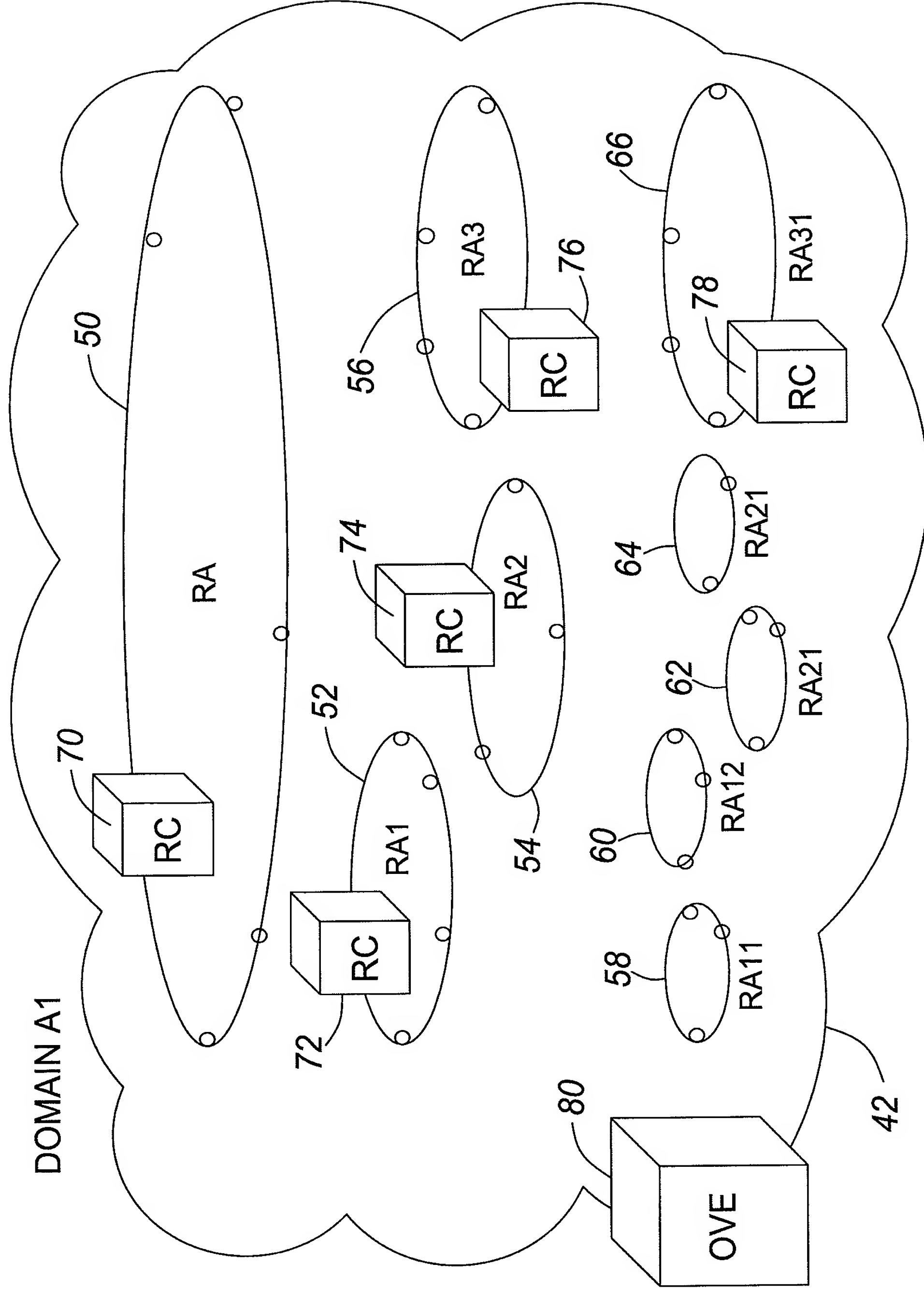
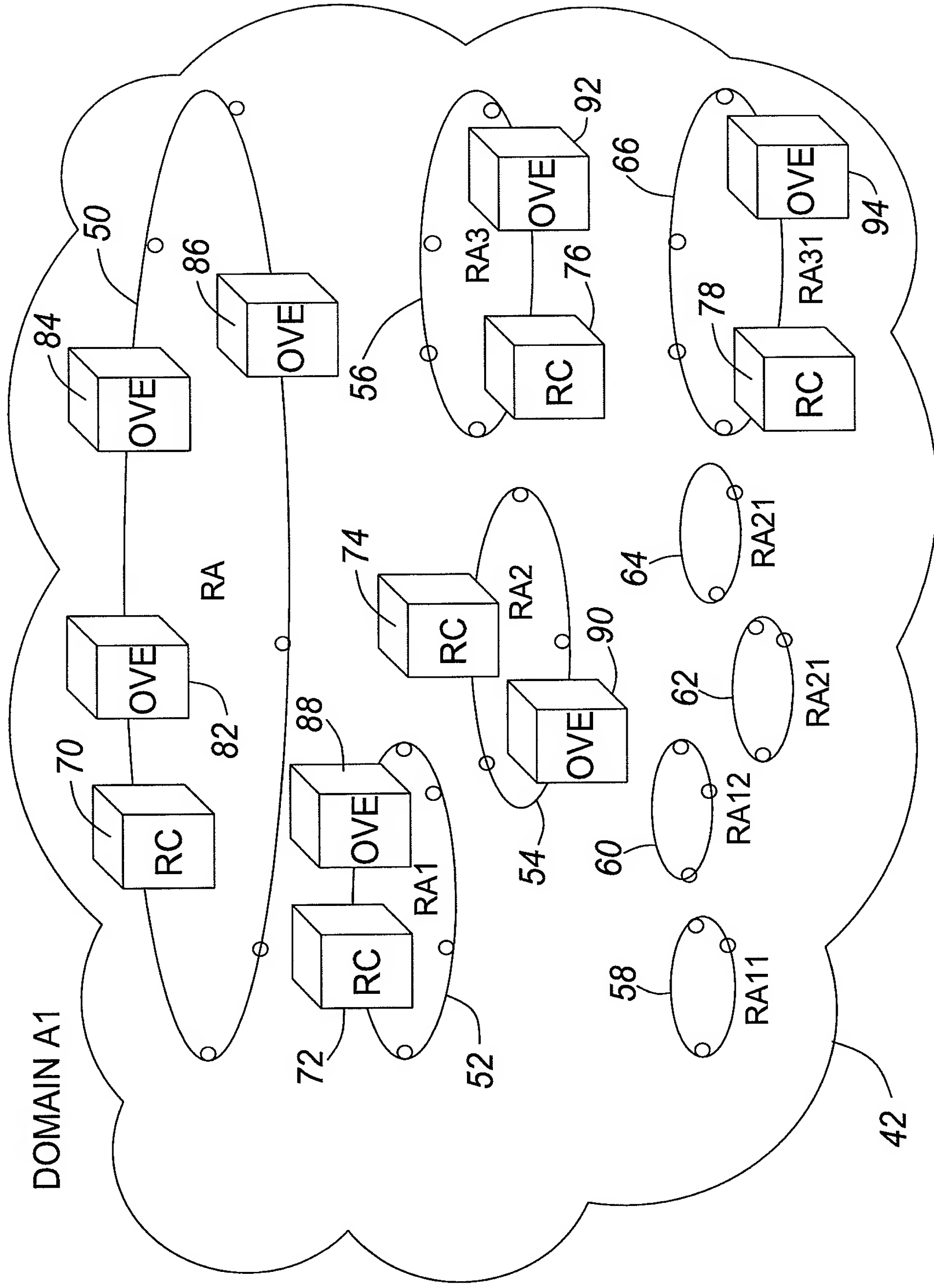


FIG. 3



**FIG. 4**



**FIG. 5**

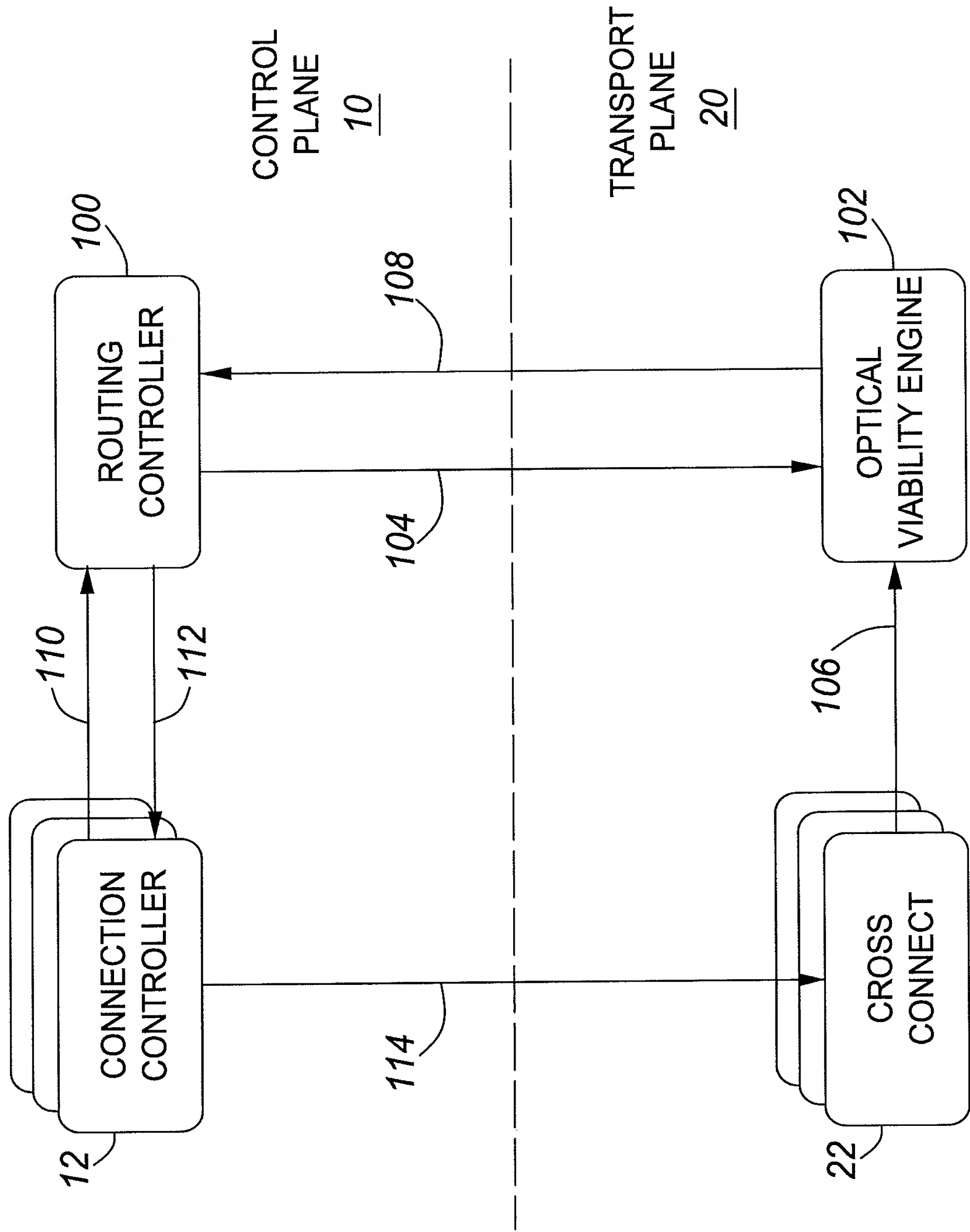
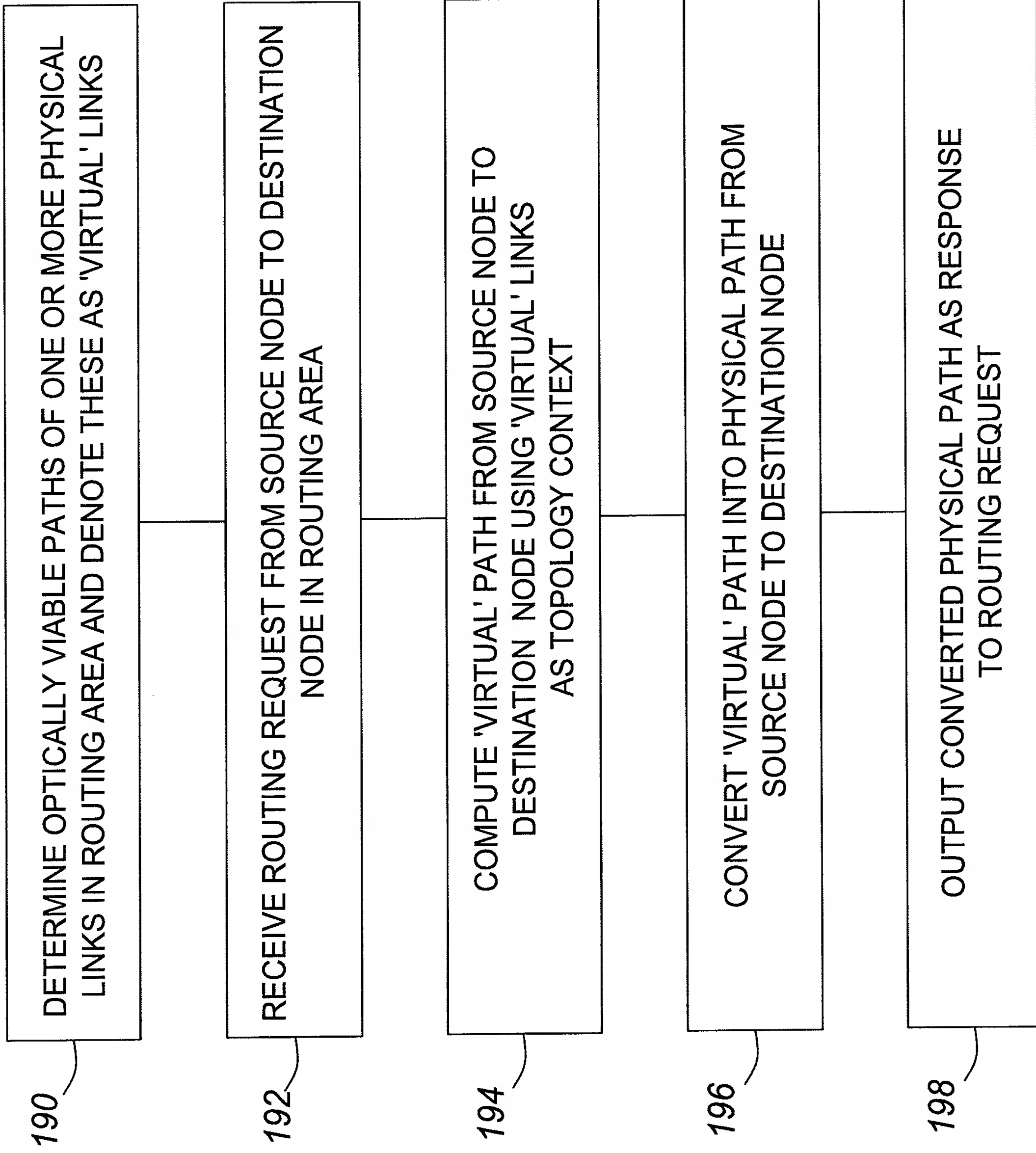


FIG. 6



**FIG. 7**

INPUT INTERFACE	BASIC INPUT PARAMETERS	BASIC RETURN PARAMETERS
ROUTE TABLE QUERY	UNRESOLVED ROUTE ELEMENT	ORDERED LIST OF SNPPs
LOCAL TOPOLOGY IN	LOCAL TOPOLOGY UPDATE	—
NETWORK TOPOLOGY IN	NETWORK TOPOLOGY UPDATE	
OPTICAL VIABILITY RESPONSE	YES OR NO	—

120

122

124

126

OUTPUT INTERFACE	BASIC OUTPUT PARAMETERS	BASIC RETURN PARAMETERS
LOCAL TOPOLOGY OUT	LOCAL TOPOLOGY UPDATE	—
NETWORK TOPOLOGY OUT	NETWORK TOPOLOGY UPDATE	—
OPTICAL VIABILITY QUERY	ORDERED LIST OF SNPPs	—

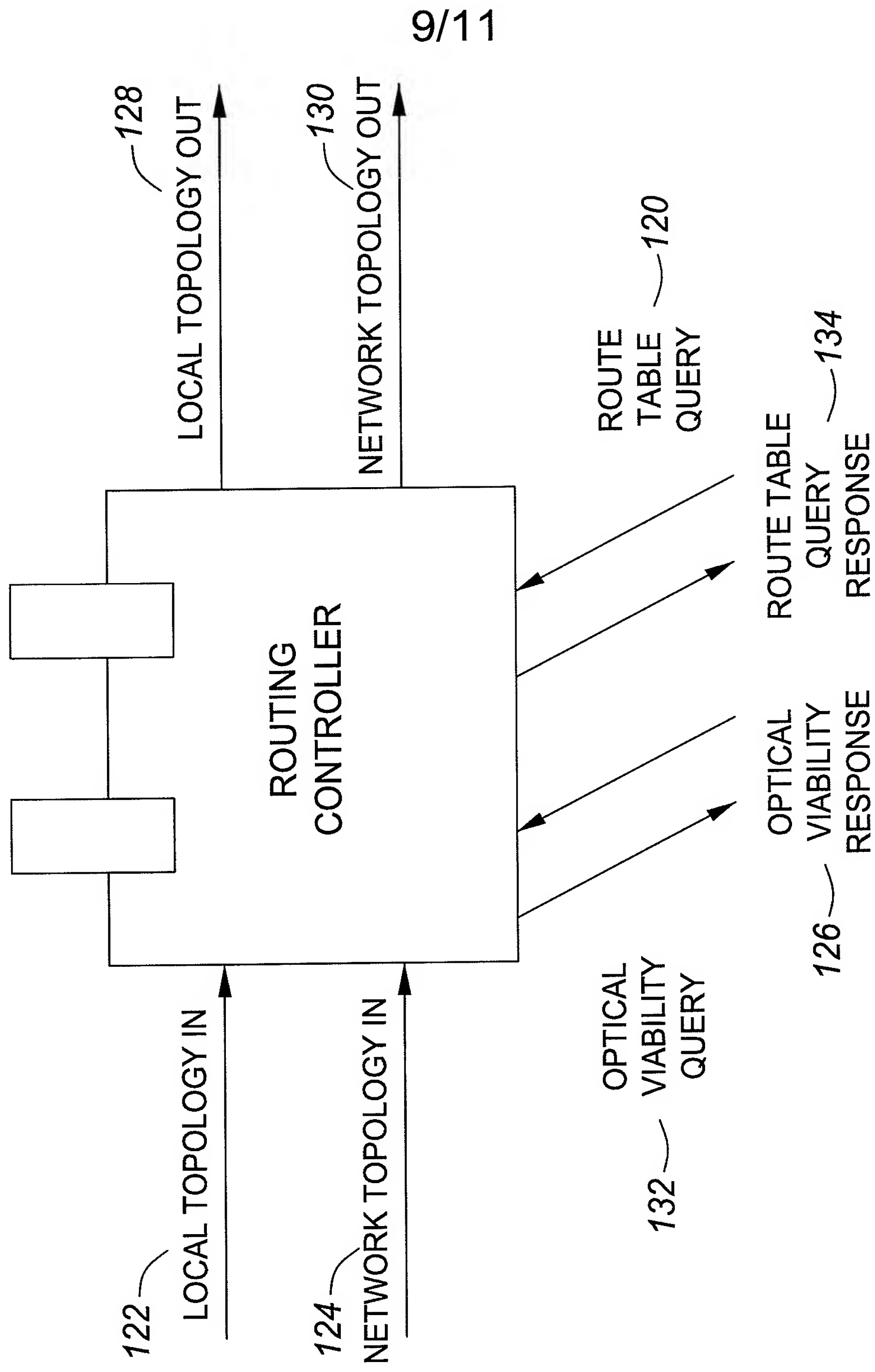
128

130

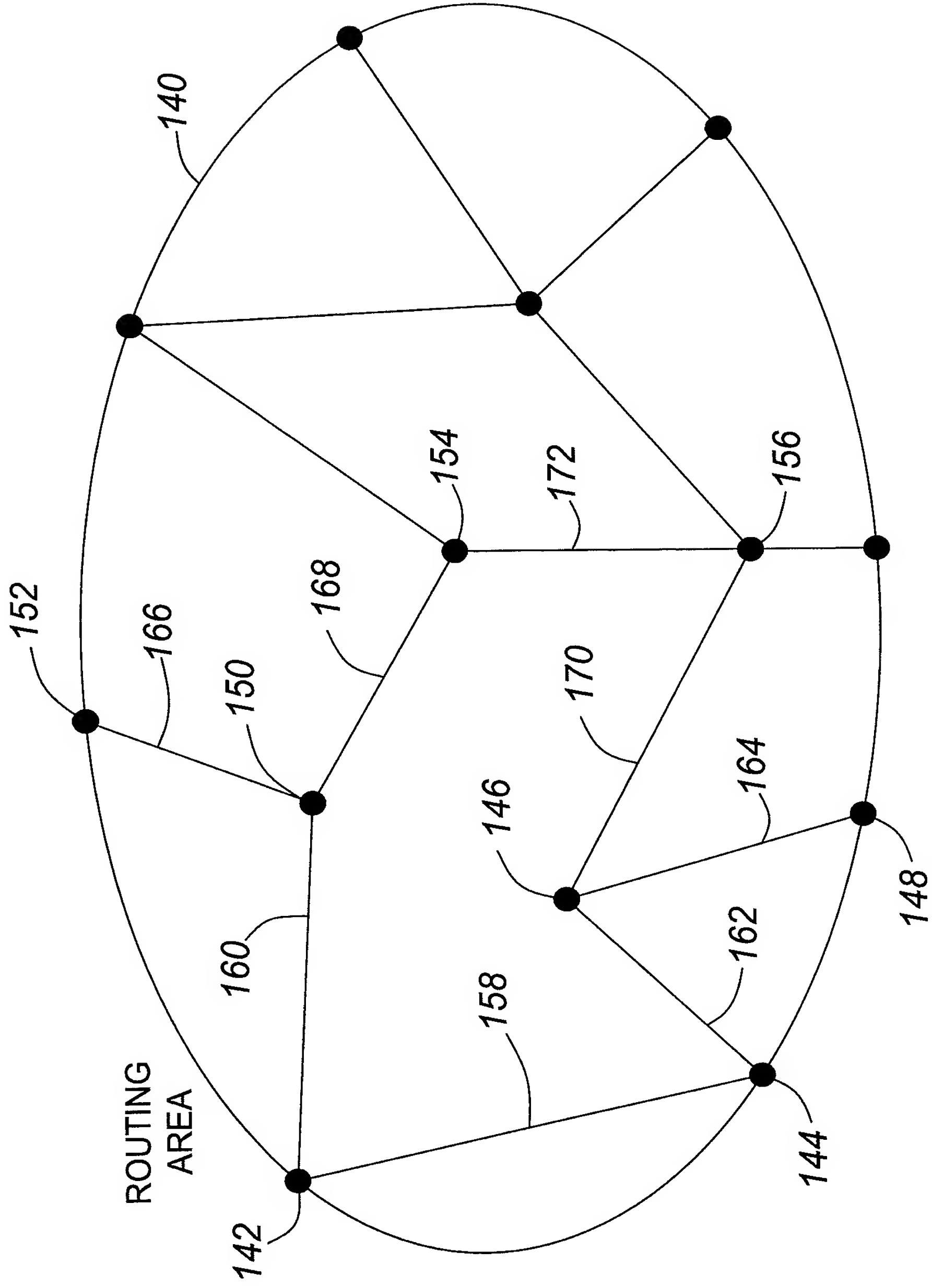
132

FIG. 8





**FIG. 9**



**FIG. 10**

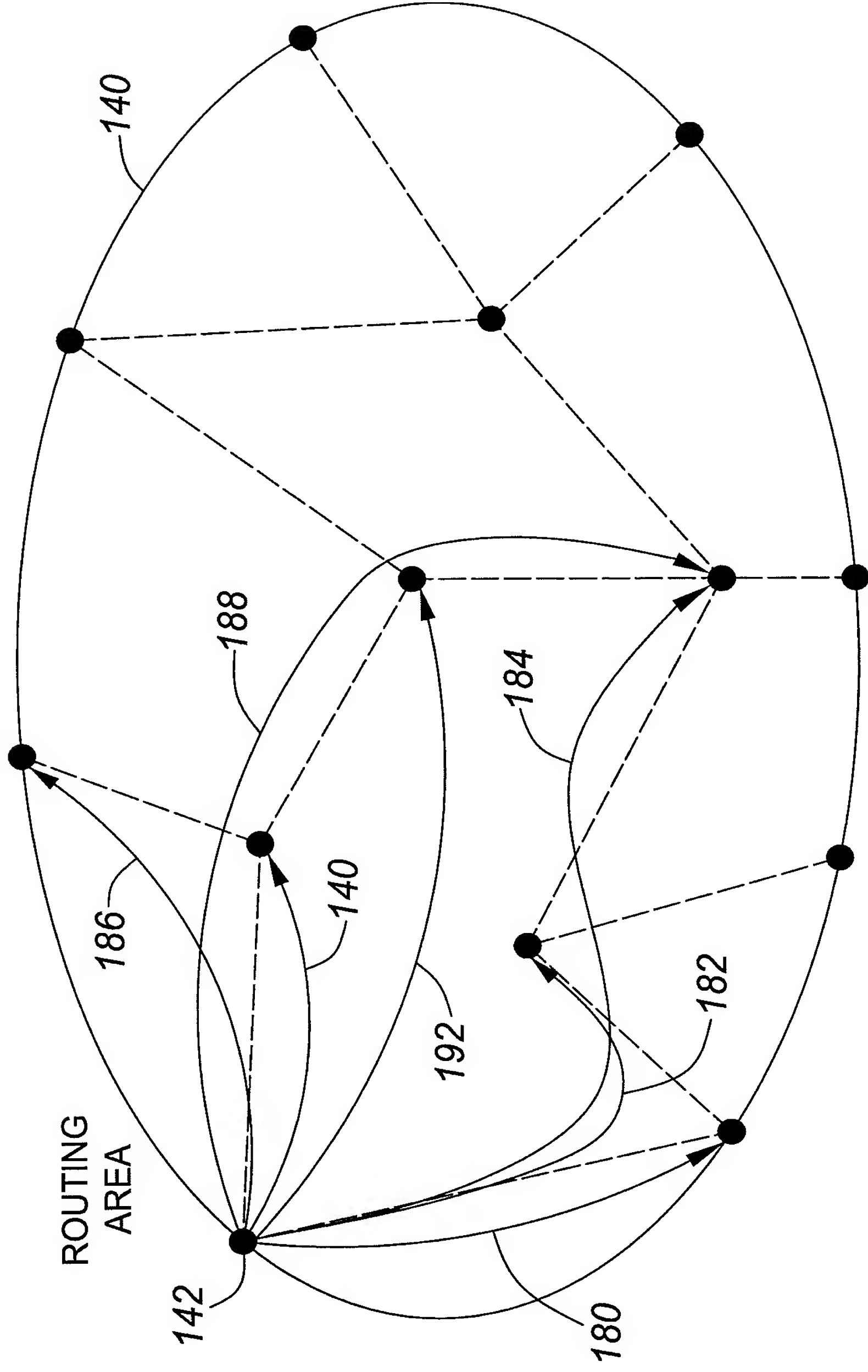


FIG. 11